

AMENDMENTS TO THE CLAIMS:

Replace the claims with the following rewritten listing:

1. – 24. (Cancelled)

25. (New) An apparatus for measuring emissions comprising:

means for obtaining a sample flow (9), the sample flow being a controlled proportion of the total emissions to be measured;

means for accumulating said sample flow in a housing, said housing containing one or more known chemical reagents with which the accumulated samples react to provide a measure of one or more selected components within said sample, said means for accumulating comprising a plurality of separate accumulation devices, each containing at least one respective chemical reagent, characterized in that said housing is tamper-proof, and in that the apparatus further comprises means (41) for detecting the location of the apparatus; and switching means (31) adapted to direct the sample to one or other of said accumulation devices according to geographical location and/or time of year or adapted to switch the accumulating means on or off depending upon location and/or at selected times.

26. (New) The apparatus of claim 1, further comprising:

a cleaning chemical or cleaning arrangement to remove components which might otherwise interfere with the accumulation of the component to be measured.

27. (New) The apparatus of claim 1, further comprising:

an automatic time determining system which is set to switch the device on and off at selected times.

28. (New) The apparatus of claim 1, wherein

said means for obtaining the sample flow is adapted to take extracts from the exhaust ducts (3) of several engines and then to mix them, in proportion to the flow from each exhaust duct, and then pass the combined sample to the means for accumulating.

29. (New) The apparatus of claim 1, further comprising:

display means (33) for providing a visual indication of said measure.

30. (New) The apparatus of claim 1 wherein
said tamper-proof housing is a tamper-proof removable canister.
31. (New) The apparatus of claim 6, wherein:
said canister is locked inside a tamper-proof cabinet (2).
32. (New) The apparatus of claim 7 wherein said tamper-proof cabinet is adapted to be
unlocked by a signal from a wireless communication means.
33. (New) The apparatus of claim 8 wherein said tamper-proof cabinet is adapted to be
unlocked by a signal from a mobile telephone.
34. (New) The apparatus of claim 1, wherein
the apparatus is provided with its own power supply (43).
35. (New) The apparatus of claim 10 wherein said power supply is a battery.
36. (New) The apparatus of claim 1, wherein:
said tamper-proof housing has an inlet port (37) adapted to receive the sample flow of
emissions containing components to be measured,
wherein the inlet port is adapted to be sealed when said container is disconnected
from receiving emissions.
37. (New) The apparatus of claim 1 wherein
said housing is adapted to be connected to an external device (48) and to
communicate with said external device to provide information about the emission measures.
38. (New) The apparatus of claim 13 wherein said housing communicates with said
external device by mobile telephone communication.
39. (New) The apparatus of claim 14 where said communication is encrypted.

40. (New) The apparatus of claim 1 wherein
an interface between the housing and the means for obtaining the sample is sealed and
secure.
41. (New) The apparatus of claim 14 wherein
an interface between the housing and said external device is sealed and secure.
42. (New) The apparatus of claim 1 wherein the tamper-proof housing is removable under
authorised conditions only and transportable and adapted to be connected to an external
device (48) under authorised conditions only.
43. (New) The system of claim 18 wherein
the removable device is provided with encrypted identification means.
44. (New) The apparatus of claim 19, wherein the tamper-proof housing is provided with
means for locking the housing, and means for unlocking the housing by means of a signal
from a mobile telephone.